3.4.4 **Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years (2019-2023)**

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years (2019-2023)

	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list
1	Transport properties of GaAs Co-doped H-passivated low-buckled and high-buckled zigzag silicene nanoribbon two probe devices	Asma N. Naqash, Khurshed A. Shah, Javid Ahmad Sheikh, Brijesh Kumbhani, **Syed Muzaffar Ali Andrabi**	Department of Applied Science	NANOSYSTEMS: PHYSICS, CHEMISTRY, MATHEMATICS	October 2023		https://nanojournal.ifmo.ru/	http://nanojournal.ifmo.ru/en/articles-2/volume14/14-4/physics/paper06/	Yes
2	Spatial Distribution and Health Risk Assessment of Heavy Metals in the Groundwater of Selected Watersheds of Srinagar and Pulwama districts of Kashmir Himalaya	Rameez A Shah, Aurooj Shafi, **S M A Andrabi,** Sami Ullah Bhat, Aadil Hamid & N.C. Mondal	Department of Applied Science	Water, Air, & Soil Pollution	October 2023	Electronic ISSN: 1573-2932 Print ISSN: 0049-6979	https://link.springer.com/journal/11270	https://link.springer.com/article/10.1007/s11270-023-06615-y	Yes
3	Review—Bi-Metallic Nanoparticles for Water Treatment: Synthesis Routes, Purification, Challenges and Future Perspectives	M. Ashraf Allaie, Khurshed A. Shah and **S. M. A. Andrabi**	Department of Applied Science	ECS Journal of Solid State Science and Technology	April 2023	2162-8777	https://iopscience.iop.org/journal/2162-8777	https://iopscience.iop.org/article/10.1149/2162-8777/acc75b	Yes
4	Optical Properties of Fine Mode Aerosols over High-Altitude Himalayan Glacier Regions	Sushant Ranjan Verma, Shamsh Pervez, Judith C. Chow, John G. Watson, **Syed Muzaffarali Andrabi**	Department of Applied Science	ACS Publications	August 2023	0002-7863	https://pubs.acs.org/	https://pubs.acs.org/doi/10.1021/acsearthspacechem.3c00088	Yes
5	Treatment of effluent from fertilizer industry by adsorption on willow sawdust-removal of Ni(II) and Cd(II) from the effluent	Raafia Najam and **Syed Muzaffar Ali Andrabi**	Department of Applied Science	Ion Exchange Letters	April 2021	1803-4039	http://iel.vscht.cz/index.html?http&&&iel.vscht.cz/abstracts/1803-4039-13-0001.htm	http://iel.vscht.cz/index.html?http&&&iel.vscht.cz/abstracts/1803-4039-13-0001.htm	Yes
6	Modeling and simulation of carbon nanotube amino-acid sensor: A first-principles study	M. Shunaid Parvaiz, Khurshed A. Shah, H. Alrobei, G.N. Dar, Farooq A. Khanday, **S. Muzaffar Ali Andrabi**, Rabia Hamid	Department of Applied Science	Computational and Theoretical Chemistry	October 2021	Online ISSN: 2210-2728 Print ISSN: 2210-271X	https://www.sciencedirect.com/journal/computational-and-theoretical-chemistry	https://www.sciencedirect.com/science/article/abs/pii/S2210271X21002607	Yes
7	Quantum chemical approach towards the secondary amino derivatives of C(3) substituted 1,4-naphthoquinone: Combined molecular and dft calculations	Umar Ali Dar, Nasarul Islam, Shakeel A. Shah, Sunita Salunke-Gawali, **Syed M.A. Andrabi,** Yugal Khujaria e	Department of Applied Science	Journal of Molecular Structure	March 2020	Online ISSN: 1872-8014 Print ISSN: 0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286019314152?via%3Dihub	Yes
8	Resistance to slurry erosion by WC-10Co-4Cr and Cr3C2 – 25(Ni20Cr) coatings deposited by HVOF stainless steel F6NM	Ishfaq Amin Maekai, **Junaid H Masoodi,** G.A. Harmain a, Zehab-ud-Din	Department of Mechanical Engineering	International Journal of Refractory Metals and Hard Materials	June 2022	Online ISSN: 0263-4368 Print ISSN: 0263-4368	https://www.sciencedirect.com/journal/international-journal-of-refractory-metals-and-hard-materials	https://www.sciencedirect.com/science/article/abs/pii/S0263436822000543	Yes
9	Application of nanotechnology in the agricultural and food processing industries: A review	Mudasir Akbar Shah, Zehab-ud-Din, **Junaid H Masoodi**, Salik Nazir, Ahsanulhaq Qurashi	Department of Mechanical Engineering	Sustainable Materials and Technologies	December 2023	Print ISSN: 2214-9929 Online ISSN: 2214-9937	https://www.sciencedirect.com/journal/sustainable-materials-and-technologies	https://www.sciencedirect.com/science/article/abs/pii/S2214993723002440	Yes
10	Influence of ideal nozzle geometry on supersonic flow using the method of characteristics	Khalid Rafiq, Mumin Rasheed, Mir Moin Afzal, **Junaid H Masoodi**	Department of Mechanical Engineering	Journal of Mechanical Science and Technology	December 2022	Print ISSN: 1738-494X Electronic ISSN: 1976-3824	https://link.springer.com/journal/12206	https://link.springer.com/article/10.1007/s12206-022-1118-2	Yes

	Title	Authors	Department	Journal/Book	Date	ISSN/ISBN	Link 1	Link 2	
11	**Effect of Turning Parameters on Surface Roughness of EN-9 Steel Using Taguchi Robust design—An Analysis**	S Khurshid, M Zainab, Y Farooq, F Yousuf, T Ayoub, **Junaid H Masoodi**	Department of Mechanical Engineering	Recent Advances in Manufacturing, Automation, Design and Energy Technologies	October 2021	2195-4356	https://link.springer.com/book/10.1007/978-981-16-4222-7	https://link.springer.com/chapter/10.1007/978-981-16-4222-7_24	**Yes**
12	**Influence on temperature profile in an oil film in thrust bearings using an embedded cooling circuitry beneath the pad surface: An experimental investigation**	FA Najar and GA Harmain	Department of Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	November 2019	ISSN: 1350-6501 Online ISSN: 2041-305X	journals.sagepub.com/doi/abs/10.1177/1350650119886508	https://journals.sagepub.com/home/PIJ	**Yes**
13	**Extreme pressure properties of garlic oil: comparative investigations with PAO4 base oil and PAO/garlic oil blend**	Shahnaz Bashir, M Jebran Khan, MF Wani, S Shahid Saleem, Mir Mohsin John, Qazi Junaid Ashraf, Tabin Nissar	Department of Mechanical Engineering	Engineering Research Express	March 2023	Online ISSN: 2631-8695	https://iopscience.iop.org/journal/2631-8695	https://iopscience.iop.org/article/10.1088/2631-8695/acb5e2/meta	**Yes**
14	**Performance characteristics of journal bearings (porous type): A coupled solution using Hartmann number and roughness parameter**	GK Kalavathi, FA Najar, and MG Vasundhara	Department of Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	November 2019	ISSN: 1350-6501 Online ISSN: 2041-305X	journals.sagepub.com/doi/abs/10.1177/1350650119886508	https://journals.sagepub.com/doi/10.1177/1350650119886709	**Yes**
15	**Scheduling and routing of mobile charging stations with stochastic travel times to service heterogeneous spatiotemporal electric vehicle charging requests with time windows**	**U Qureshi,** A Ghosh, BK Panigrahi	Department of Electrical Engineering	IEEE Transactions on Industry Applications	October 2022	0093-9994	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=28	https://ieeexplore.ieee.org/abstract/document/9795227	**Yes**
16	**Formula-Driven Supervised Learning in Computer Vision: A Literature Survey**	**Abdul Mueed Hafiz,** Mahmoud Hassaballah, and Adel Binbusayyis	Department of Electronics and Communication Engineering	Applied Sciences	January 2023	2076-3417	https://www.mdpi.com/journal/applsci	https://www.mdpi.com/2076-3417/13/2/723	**Yes**
17	**A single-encoder multiple-decoder deep network for point cloud reconstruction from 2D images.**	**Abdul Mueed Hafiz, Rouf Ul Alam Bhat,** Shabir Ahmad Parah, and M. Hassaballah.	Department of Electronics and Communication Engineering	Pattern Analysis & Applications	April 2023	1433-7541	https://dl.acm.org/journal/paas	https://dl.acm.org/doi/abs/10.1007/s10044-023-01155-x	**Yes**
18	**A Survey on Light-weight Convolutional Neural Networks: Trends, Issues and Future Scope**	Abdul Mueed Hafiz	Department of Electronics and Communication Engineering	Journal of Mobile Multimedia	August 2023	ISSN: 1550-4646 (Print Version) ISSN: 1550-4654 (Online Version)	journals.riverpublishers.com/index.php/JMM/index	https://journals.riverpublishers.com/index.php/JMM/article/view/20807	**Yes**
19	**Reinforcement Learning with an Ensemble of Binary Action Deep Q-Networks**	**A. M. Hafiz,** M. Hassaballah, Abdullah Alqahtani, Shtwai Alsubai, and Mohamed Abdel Hameed.	Department of Electronics and Communication Engineering	Computers, Materials and Continua (Tech Science Press	April 2023	ISSN:1546-2218(print) ISSN:1546-2226(online)	https://www.techscience.com/journal/cmc	https://www.techscience.com/csse/v46n3/52220	**Yes**
20	**Image classification using convolutional neural network tree ensembles**	**A. M. Hafiz, R. A. Bhat,** M. Hassaballah	Department of Electronics and Communication Engineering	Multimedia Tools and Applications An International Journal	August 2022	Print ISSN: 1380-7501 Electronic ISSN: 1573-7721	https://link.springer.com/journal/11042	https://www.proquest.com/docview/2769869425?sourcetype=Scholarly%20Journals	**Yes**
21	**Image recognition using multiple Vision Transformers in parallel having different patch sizes**	**A. M. Hafiz**	Department of Electronics and Communication Engineering	Mathematical Statistician and Engineering Applications	August 2022	2984-7869	https://www.philstat.org/index.php/MSEA/index	https://www.philstat.org/index.php/MSEA/article/view/615	**Yes**

22	Reinforcement learning applied to machine vision: state of the art	**Abdul Mueed Hafiz**, **Rouf Ul Alam Bhat**, Shabir Ahmad Parah	Department of Electronics and Communication Engineering	International Journal of Multimedia Information Retrieval	June 2022	Print ISSN: 2192-6611 Electronic ISSN: 2192-662X	link.springer.com/journal/13735	https://link.springer.com/article/10.1007/s13735-021-00209-2	Yes
23	A survey on instance segmentation: state of the art	**Abdul Mueed Hafiz** & Ghulam Mohiuddin Bhat	Department of Electronics and Communication Engineering	International Journal of Multimedia Information Retrieval	June 2020	Print ISSN: 2192-6611 Electronic ISSN: 2192-662X	https://link.springer.com/journal/13735	link.springer.com/article/10.1007/s13735-020-00195-x	Yes
24	A deep reinforcement learning for energy efficient resource allocation Intelligent Reflecting Surface (IRS) driven Non-Orthogonal Multiple Access Beamforming (NOMA-BF)	Amin, Subba, Javaid A. Sheikh, and **Bilal A. Malik**	Department of Electronics and Communication Engineering	Physical Communication	October 2023	Print ISSN: 1874-4907 Online ISSN: 1876-3219	sciencedirect.com/journal/physical-communication	https://www.sciencedirect.com/science/article/pii/S1874490723001519	Yes
25	An Iterative Filtering Based ECG Denoising Using Lifting Wavelet Transform Technique	Shahid A. Malik,Shabir A. Parah,Hanan Aljuaid and **Bilal A. Malik**	Department of Electronics and Communication Engineering	Electronics	January 2023	2079-9292	https://www.mdpi.com/journal/electronics	https://www.mdpi.com/2079-9292/12/2/387	Yes
26	Real-Time Medical Data Security Solution for Smart Healthcare	Parsa Sarosh, Shabir Ahmad Parah, **Bilal Ahmad Malik,** Mohammad Hijji, Khan Muhammad	Department of Electronics and Communication Engineering	IEEE Transactions on Industrial Informatics	July 2023	1551-3203	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=9424	https://ieeexplore.ieee.org/document/9928784	Yes
27	Power line noise and baseline wander removal from ECG signals using empirical mode decomposition and lifting wavelet transform technique	Shahid A. Malik, Shabir A. Parah & **Bilal A. Malik**	Department of Electronics and Communication Engineering	Health and Technology	April 2022	Electronic ISSN: 2190-7196 Print ISSN: 2190-7188	link.springer.com/journal/12553	https://link.springer.com/article/10.1007/s12553-022-00662-x	Yes
28	IEFHAC: Image encryption framework based on hessenberg transform and chaotic theory for smart health	Aiman Jan, Shabir A. Parah & **Bilal A. Malik**	Department of Electronics and Communication Engineering	Multimedia Tools and Applications	March 2022	Electronic ISSN: 1573-7721 Print ISSN: 1380-7501	https://link.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-022-12653-1	Yes
29	Realization of Efficient Steganographic Scheme Using Hybrid Edge Detection and Chaos	Aiman Jan, Shabir A. Parah, Muzamil Hassan & Bilal A. Malik	Department of Electronics and Communication Engineering	Arabian Journal for Science and Engineering	July 2022	Electronic ISSN: 2191-4281 Print ISSN: 2193-567X	https://link.springer.com/journal/13369	https://link.springer.com/article/10.1007/s13369-022-06960-w	Yes
30	A New Genetic Algorithm Bio-inspired Based Impartial Evaluation of UFMC and GFDM Under Diverse Window Constraints	Sumina Sidiq, Javaid A. Sheikh, Farhana Mustafa, **Bilal A. Malik** & Ishfaq Bashir Sofi	Department of Electronics and Communication Engineering	Arabian Journal for Science and Engineering	March 2022	Electronic ISSN: 2191-4281 Print ISSN: 2193-567X	https://link.springer.com/journal/13369	link.springer.com/article/10.1007/s13369-022-06682-z	Yes
31	Intelligent Load Balancing Algorithms for Internet of Things - A Review	Safia Gul, **Bilal Ahmad Malik** and Mohamad Tariq Banday	Department of Electronics and Communication Engineering	International Journal of Sensors, Wireless Communications and Control	September 2022	ISSN (Print): 2210-3279 ISSN (Online): 2210-3287	https://benthamscience.com/issue/13222/1	https://benthamscience.com/article/125170	Yes
32	A new method of hybrid optimization of small cell range development and density for energy efficient ultra-dense networks	Sumina Sidiq, Javaid A. Sheikh, Farhana Mustafa, **Bilal A. Malik**	Department of Electronics and Communication Engineering	Transactions on Emerging Telecommunications Technologies	March 2022	Online ISSN:2161-3915 Print ISSN:2161-3915	https://onlinelibrary.wiley.com/journal/21613915	https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.4476	Yes
33	A new genetic algorithm bio-inspired based impartial evaluation of UFMC and GFDM under diverse window constraints	Sumina Sidiq, Javaid A Sheikh, Farhana Mustafa, Bilal A Malik, Ishfaq Bashir Sofi	Department of Electronics and Communication Engineering	Arabian Journal for Science and Engineering	November 2022	Electronic ISSN: 2191-4281 Print ISSN: 2193-567X	Home | Arabian Journal for Science and Engineering (springer.com)	A New Genetic Algorithm Bio-inspired Based Impartial Evaluation of UFMC and GFDM Under Diverse Window Constraints | Arabian Journal for Science and Engineering (springer.com)	Yes

34	Outcomes of epi-on collagen cross-linkage procedure assessed in progressive keratoconus patients	Sharmeen Akram, Sehrish Momin, Bilal Malik, Zubaida Sirang, M Bilal Malik	Department of Electronics and Communication Engineering	Cureus	October 2022	2168-8184	[The Cureus Journal of Medical Science: Peer-Reviewed, Open Access](#)	[20221124-1959-5z51ql.pdf (cureus.com)](#)	**Yes**
35	Study of superconducting fluctuations in YBCO+ xBZO composites	Bilal A Malik, K Asokan, Manzoor A Malik	Department of Electronics and Communication Engineering	Journal of Low Temperature Physics	January 2022	Electronic ISSN: 1573-7357 Print ISSN: 0022-2291	[Home	Journal of Low Temperature Physics (springer.com)](#)	[Study of Superconducting Fluctuations in YBCO + xBZO Composites	Journal of Low Temperature Physics (springer.com)](#)	**Yes**
36	Double layer security using crypto-stego techniques: a comprehensive review	Aiman Jan, Shabir A Parah, Muzamil Hussan, Bilal A Malik	Department of Electronics and Communication Engineering	Health and Technology	October 2021	Electronic ISSN: 2190-7196 Print ISSN: 2190-7188	[Home	Health and Technology (springer.com)](#)	[Double layer security using crypto-stego techniques: a comprehensive review	Health and Technology (springer.com)](#)	**Yes**
37	LSB Technique-Based Dual-Image Steganography Using COS Function	Aiman Jan, Shabir A Parah, Muzamil Hussan, Bilal A Malik	Department of Electronics and Communication Engineering	Proceedings of Emerging Trends and Technologies on Intelligent Systems	October 2021	2194-5357	[Proceedings of Emerging Trends and Technologies on Intelligent Systems: ETTIS 2021	SpringerLink](#)	[LSB Technique-Based Dual-Image Steganography Using COS Function	SpringerLink](#)	**Yes**
38	PAPR minimization of FBMC/OQAM scheme by hybrid SLM and PTS using artificial: bee-Colony phase—Optimization	Sumina Sidiq, Javaid Ahmad Sheikh, Farhana Mustafa, Bilal Ahmad Malik, Ishfaq Bashir Sofi	Department of Electronics and Communication Engineering	Arabian Journal for Science and Engineering	October 2021	Electronic ISSN: 2191-4281 Print ISSN: 2193-567X	[Home	Arabian Journal for Science and Engineering (springer.com)](#)	[PAPR Minimization of FBMC/OQAM Scheme by Hybrid SLM and PTS Using Artificial: Bee-Colony Phase—Optimization	Arabian Journal for Science and Engineering (springer.com)](#)	**Yes**
39	Influence of micropile parameters on bearing capacity of footings	Bilal Ahmad Malik, Mohammad Yousuf Shah, Vishwas A Sawant	Department of Electronics and Communication Engineering	Environmental Science and Pollution Research	April 2021	1614-7499	[Home	Environmental Science and Pollution Research (springer.com)](#)	[Influence of micropile parameters on bearing capacity of footings	Environmental Science and Pollution Research (springer.com)](#)	**Yes**
40	Secure data transmission in IoTs based on CLoG edge detection	Aiman Jan, Shabir A Parah, Bilal A Malik, Mamoon Rashid	Department of Electronics and Communication Engineering	Future Generation Computer Systems	August 2021	Online ISSN: 1872-7115 Print ISSN: 0167-739X	[Future Generation Computer Systems	Journal	ScienceDirect.com by Elsevier](#)	[Secure data transmission in IoTs based on CLoG edge detection - ScienceDirect](#)	**Yes**
41	Study on excess conductivity in YBCO + xAg composites	Bilal A Malik, Gowher H Rather, K Asokan, Manzoor A Malik	Department of Electronics and Communication Engineering	Applied Physics A	March 2021	Electronic ISSN: 1432-0630 Print ISSN: 0947-8396	[Home	Applied Physics A (springer.com)](#)	[Study on excess conductivity in YBCO + xAg composites	Applied Physics A (springer.com)](#)	**Yes**